



Mouse intercellular adhesion molecule 1, ICAM-1 ELISA KIT

Product Code	CSB-E04575m
Abbreviation	ICAM1
Protein Biological Process 1	Cell Adhesion
Target Name	intercellular adhesion molecule 1
Uniprot No.	P13597
Alias	BB2, CD54, P3.58, cell surface glycoprotein P3.58 human rhinovirus receptor intercellular adhesion molecule 1 (CD54), human rhinovirus receptor
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Protein Biological Process 3	Cell adhesion
Sample Types	serum, plasma, tissue homogenates
Detection Range	78 ng/mL-5000 ng/mL
Sensitivity	19.5 ng/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Immunology
Gene Names	Icam1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse ICAM1 ELISA Kit was designed for the quantitative measurement of Mouse ICAM1 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 78 ng/mL-5000 ng/mL and the sensitivity is 19.5 ng/mL.
Target Details	This gene encodes a cell surface glycoprotein which is typically expressed on endothelial cells and cells of the immune system. It binds to integrins of type CD11a / CD18, or CD11b / CD18 and is also exploited by Rhinovirus as a receptor.



Product Precision

Intra-assay Precision (Precision within an assay): CV%<8%

Three samples of known concentration were tested twenty times on one plate to assess.

Inter-assay Precision (Precision between assays): CV%<10%

Three samples of known concentration were tested in twenty assays to assess.

Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of mouse ICAM-1 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

	Sample	Serum(n=4)
1:1	Average %	97
	Range %	91-105
1:2	Average %	85
	Range %	80-92
1:4	Average %	96
	Range %	85-105
1:8	Average %	93
	Range %	83-98

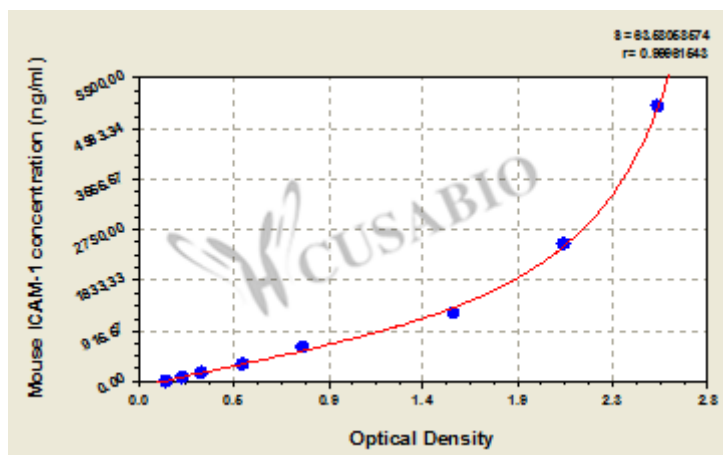
Recovery

The recovery of mouse ICAM-1 spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	95	82-101
EDTA plasma (n=4)	94	86-99

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



ng/ml	OD1	OD2	Average Corrected	
5000	2.555	2.518	2.537	2.390
2500	2.047	2.105	2.076	1.929
1250	1.531	1.552	1.542	1.395
625	0.812	0.803	0.808	0.661
312	0.516	0.524	0.520	0.373
156	0.312	0.321	0.317	0.170
78	0.229	0.225	0.227	0.080
0	0.145	0.149	0.147	

Msds

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